

AMENDMENTS TO THE CLAIMS

Claims 1-9 (Cancelled)

Claim 10 (Currently Amended) A server that detects an unauthorized terminal from among a plurality of terminals, said server comprising:

a terminal information receiving unit operable to receive terminal information from each respective terminal of the plurality of terminals, the terminal information received from each respective terminal including (i) key identification information that is unique to secret key information, the secret key information and the key identification information being assigned to the respective terminal in advance, (ii) ~~one of unique information that is previously assigned to the terminal and~~ authentication information that is defined based on the secret key information, and (iii) ~~unique information; and~~ additional identification information that is ~~additionally~~ assigned to the respective terminal;

a terminal information holding unit operable to hold server terminal information including (i) the key identification information, (ii) at least one of the secret key information and public key information corresponding to the secret key information, and (iii) the additional identification information ~~pieces of terminal information~~;

a key information selection unit operable to output at least one of the secret key information and the public key information, based on the key identification information included in the terminal information received by said terminal information receiving unit, wherein the at least one of the secret key information and the public key information output by said key information selection unit is held in said terminal information holding unit;

a terminal verification unit operable to verify the authentication information received by said terminal information receiving unit, based on the at least one of the secret key information and the public key information output by said key information selection unit;

a terminal information search unit operable to search the server terminal information held in said terminal information holding unit, based on the received key identification~~received terminal~~ information; and

an unauthorized terminal judgment unit operable to judge that ~~the~~ a terminal, of the plurality of terminals, that corresponds to the additional identification information is an unauthorized terminal ~~in the case where~~ when a predetermined number or more ~~the number~~ of different pieces of additional identification information has been searched by said terminal information search unit, for identical key identification information ~~which is detected correspondingly to identical one of the unique information and the authentication information defined based on the unique information as a result of the search,~~ is equal to or greater than a predetermined number.

Claim 11 (Cancelled)

Claim 12 (Currently Amended) The server according to claim 10,

wherein the additional identification information assigned to each respective terminal~~included in terminal information received by said terminal information receiving unit~~ is information concerning a user who uses the respective terminal.

Claim 13 (Currently Amended) The server according to claim 10,

wherein the additional identification information assigned to each respective terminal is information that an owner of the respective terminal inputs into the respective terminal.

Claim 14 (Currently Amended) The server according to claim 10,

wherein the additional identification information assigned to each respective terminal is an IP address of the respective terminal.

Claim 15 (Currently Amended) The server according to claim 10, further comprising:

a receiving unit operable to receive the additional identification information from an operator of said server; and

an unregistered additional identification information judgment unit operable to judge whether the received additional identification information is registered in the server terminal information held in said terminal information holding-search unit,

wherein ~~the said~~ terminal information holding-search unit is ~~further~~ operable to register the additional identification information ~~in the case where~~ when (i) the authenticity of ~~one of the unique information and~~ the authentication information is verified, and (ii) said unregistered additional identification information judgment unit judges that the additional identification information is not registered.

Claim 16 (Currently Amended) The server according to claim 10,

wherein, ~~the~~ a terminal of the plurality of terminals is permitted to access ~~the~~ a digital content related to a predetermined package content at predetermined times by accessing said server via ~~the~~ a network,

wherein said server further includes comprising a history holding unit operable to hold access history information indicating history of a digital the digital content that is accessed by the plurality of terminals in units terminal in a unit of each of the terminals terminal specified by a pair of (i) (i) one of the unique information and the authentication information secret key information, the public key information and the key identification information, and (ii) (ii) the additional identification information, and

wherein said unauthorized terminal judgment unit is ~~further~~ operable to judge that a terminal of the plurality of terminals the terminal is an unauthorized terminal when in the case where a digital the digital content that is accessed, in excess of exceeding the an access limit, by a terminal, of the plurality of terminals, that has an identical (i) one of the unique information and the authentication information and (ii) the identical additional identification information one of the secret key information, the public key information, the key identification information, and the additional identification information, that is identical to that of the terminal judged to be unauthorized.

Claim 17 (Cancelled)

Claim 18 (Cancelled)

Claim 19 (Currently Amended) An unauthorized terminal detection system comprising a server that detects an unauthorized terminal from among a plurality of terminals and a terminal, from among the plurality of terminals, connected to said server,

wherein said terminal includes a terminal information transmitting unit operable to transmit terminal information to said server, the terminal information transmitted by said terminal including (i) key identification information that is unique to secret key information, the secret key information and the key identification information being assigned to said terminal in advance, (ii) ~~one of unique information that is previously assigned to said terminal and~~ authentication information that is defined based on the secret key information, and (iii) ~~unique information;~~ and additional identification information that is ~~additionally~~ assigned to said terminal, and

wherein the server includes:

_____ a terminal information receiving unit operable to receive, from each respective terminal of the plurality of terminals, ~~terminal information from each terminal, the terminal information~~ including (i) the key identification information that is unique to the secret key information, the secret key information and the key identification information being assigned to the respective terminal in advance, (ii) ~~identical one of the unique information that is previously assigned to said terminal and~~ the authentication information that is defined based on the secret key information, ~~unique information;~~ and (iii) the additional identification information that is ~~additionally assigned to said~~ the respective terminal;

_____ a terminal information holding unit operable to hold server terminal information of each respective terminal, the server terminal information including (i) the key identification

information, (ii) at least one of the secret key information and public key information corresponding to the secret key information, and (iii) the additional identification information-pieces of terminal information; a terminal information search unit operable to search the server terminal information held by said terminal information holding unit based on the received terminal information;

a key information selection unit operable to output at least one of the secret key information and the public key information, based on the key identification information included in the terminal information received by said terminal information receiving unit, wherein the at least one of the secret key information and the public key information output by said key information selection unit is held in said terminal information holding unit;

a terminal verification unit operable to verify the authentication information received by said terminal information receiving unit, based on the at least one of the secret key information and the public key information output by said key information selection unit;

a terminal information search unit operable to search the server terminal information held in said terminal information holding unit, based on the received key identification information; and

an unauthorized terminal judgment unit operable to judge that the a terminal, of the plurality of terminals, that corresponds to the additional identification information is an unauthorized terminal in the case where the number when a predetermined number or more of different pieces of additional identification information has been searched by said terminal information search unit, for identical key identification information which is detected correspondingly to identical one of the unique information and the authentication information

~~defined based on the unique information as a result of the search, is equal to or greater than a predetermined number.~~

Claim 20 (Currently Amended) An unauthorized terminal detection method that is performed by a server for detecting to detect an unauthorized terminal from among a plurality of terminals and performed by a terminal, of the plurality of terminals, connected to the server, said method comprising:

receiving terminal information from each respective terminal of the plurality of terminals, the terminal information received from each respective terminal including: ~~one of unique information that is previously assigned to the terminal~~ (i) key identification information that is unique to secret key information, the secret key information and the key identification information being assigned to the respective terminal in advance, and (ii) authentication information that is defined based on the secret key information, and (iii) unique information; and additional identification information that is additionally assigned to said the respective terminal;

outputting at least one of the secret key information and the public key information, based on the key identification information included in the terminal information received by said receiving, wherein the at least one of the secret key information and the public key information output by said outputting is held in the server;

verifying the authentication information received by said receiving, based on the at least one of the secret key information and the public key information output by said outputting;

searching server terminal information that is held in the server and that includes including pieces of the terminal information held in said server, the server terminal information

being searched based on the received key identification~~received terminal~~ information; and

judging that a terminal, of the plurality of terminals, that corresponds to the additional identification information is an unauthorized terminal ~~in the case where the number of~~ when a predetermined number or more of different pieces of additional identification information, ~~which is detected correspondingly to identical one of the unique information and the authentication information defined based on the unique information as a result of the search, is equal to or greater than a predetermined number~~ has been searched by said searching, for identical key identification information.

Claims 21-23 (Cancelled)